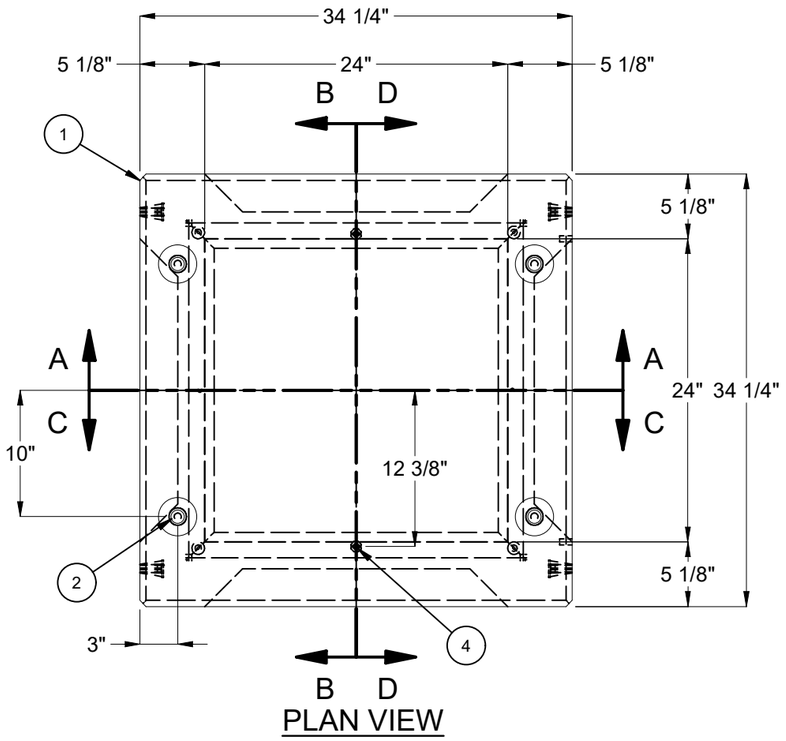
BILL OF MATERIALS

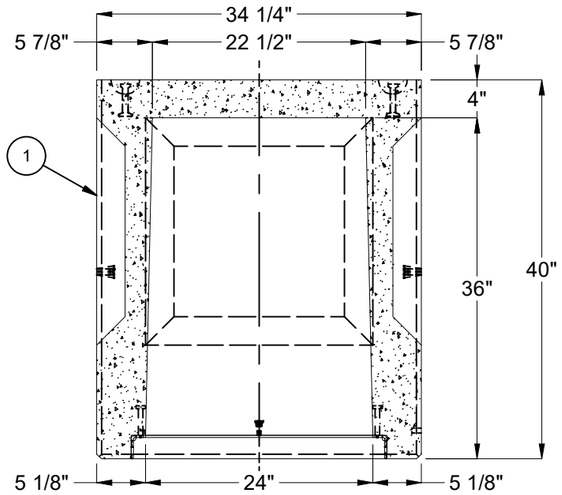
ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION
1	12.492 ft^3	12.492 ft^3	100024079	CONCRETE #19 SCC
2	1	4	100002867	ANCHOR DOGBONE P52 2T X 3-3/8" GALV
3	1	4	100002786	INSERT THREADED METAL 1/2-13 UNC 2-7/8IN
4	1	2	100002782	INSERT THREADED METAL 1/4-20 UNC 1.5IN
5	1	1	100031490	FAS-2424-CD-G-OH02-BRKS
6	1	1	300155284	REINFORCING MAT 300155284

DESIGN NOTES

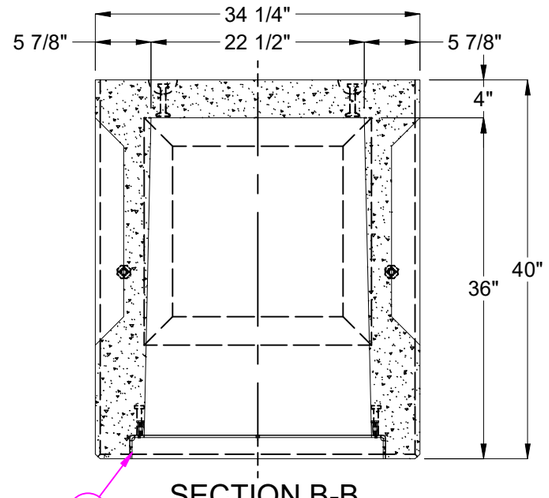
- DESIGNED IN ACCORDANCE WITH AASHTO HS20-44 TRAFFIC BRIDGE LOADING USING 5,500 PSI COMPRESSIVE STRENGTH CONCRETE AND 60,000 PSI YIELD STRENGTH ASTM A-706 STEEL REINFORCEMENT PER CALCS. # 2424-B36-DI-THINWALL
- ALL PARTS TO BE STENCILED: MFG DATE / JOB NUMBER / PRODUCT ID / WEIGHT.



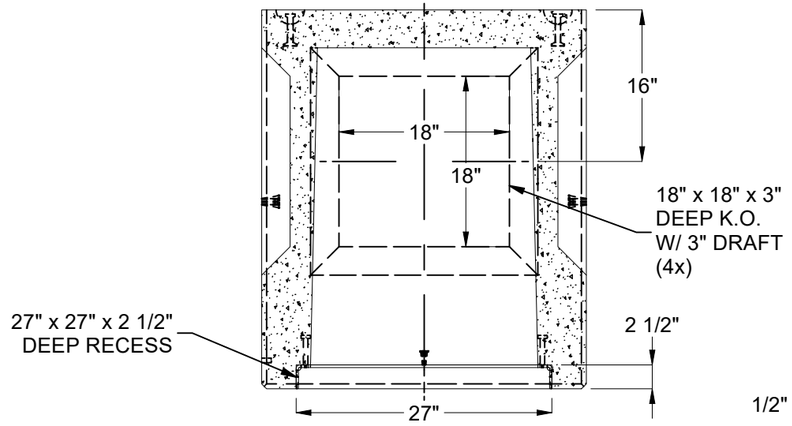
PLAN VIEW



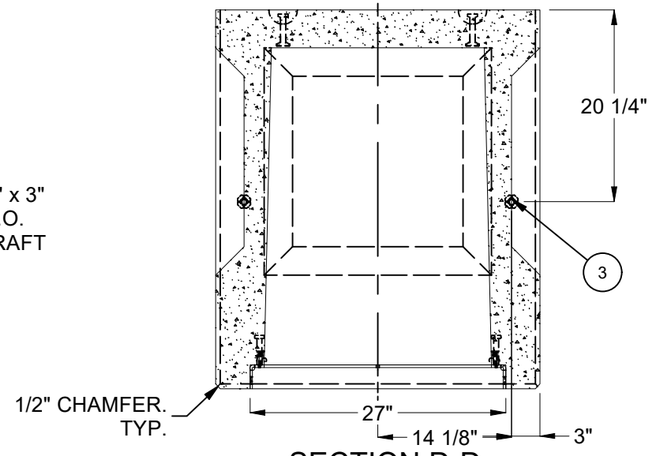
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

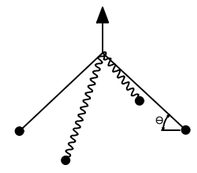
LIFTING NOTES

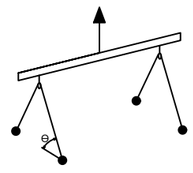
- INSTALLATION: THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 5500 PSI WITH 4 LIFT CONNECTIONS EQUALLY LOADED TO 2 LIFTING POINTS AT A MINIMUM 60° SLING ANGLE, MEASURED FROM HORIZONTAL.
- DEMOLDING: THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 2500 PSI WITH 4 LIFT CONNECTIONS EQUALLY LOADED TO 4 LIFTING POINTS AT A MINIMUM 60° SLING ANGLE, MEASURED FROM HORIZONTAL.

*All rigging shall be design by a qualified professional. Loading diagrams show illustrations of possible rigging setups to achieve the required sling angle and load leg equalization. Other valid rigging configurations are possible. A qualified professional must be consulted prior to lifting.

RIGGING DIAGRAMS*

INSTALLATION	B	DEMOLDING	C





BURY DEPTH:	0.0' - 4.5' to Top		
WATER LEVEL:	Below Structure	APPROX. WEIGHT:	1907.81 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	Insert

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
B-1	RELEASED IN INVENTOR	4/24/2024	

DESCRIPTION:	Drainage 2424x36 Rect. Bottom Section Knockout Cast-In Frame CASTING LAYOUT		REV: B-1
PART NUMBER:	200017663	DRAWN BY:	D. Mejia
CREATED:	1/24/2019	MODIFIED:	4/24/2024
			SHEET: 1 OF 1

200017663.idw